



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 21 88 19 57

Classification of the application (IPC):
H04W 72/04, H04B 7/06, H04L 5/00, H04B 7/08

Technical fields searched (IPC):
H04B

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X A	QUALCOMM INCORPORATED: "Remaining details on QCL", 3GPP DRAFT; R1-1720672, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, 18 November 2017 (2017-11-18), vol. RAN WG1, no. Reno, Nevada, USA; 20171127 - 20171201 URL: http://www.3gpp.org/ftp/tsg%5Fran/WG1%5FRL1/TSGR1%5F91/Docs/ [retrieved on 18 November 2017 (2017-11-18)] XP051370133 * Sections 2.2, 2.3 *	1, 2, 4-9, 11-15 3, 10
X	HUAWEI ET AL: "Enhancements on multi-beam operation in Rel-17", 3GPP DRAFT; R1-2005246, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, 08 August 2020 (2020-08-08), vol. RAN WG1, no. E-meeting; 20200817 - 20200828 URL: https://ftp.3gpp.org/tsg_ran/WG1_RL1/TSGR1_102-e/Docs/R1-2005246.zip R1-2005246.docx [retrieved on 08 August 2020 (2020-08-08)] XP052346623 * Sections 3.1, 3.2.1 * * table 1 * * figures 2, 3 *	1-15
X A	US 2019357249 A1 (DAVYDOV ALEXEI [RU] ET AL) 21 November 2019 (2019-11-21) * paragraph [0038] * * paragraph [0049] *	1-3, 6-10, 13-15 4, 5, 11, 12

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search Munich	Date of completion of the search 18 January 2024	Examiner Toumpakaris, D
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CATEGORY OF CITED DOCUMENTS

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|---|--|
| X: particularly relevant if taken alone | P: intermediate document |
| Y: particularly relevant if combined with another document of the same category | T: theory or principle underlying the invention |
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| O: non-written disclosure | D: document cited in the application |
| & : member of the same patent family, corresponding document | L: document cited for other reasons |

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ANNEX TO SUPPLEMENTARY EUROPEAN
SEARCH REPORT

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 18-01-2024
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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 2019357249	A1	21-11-2019	US	2019239245 A1	01-08-2019
			US	2019357249 A1	21-11-2019